

**REINFORCING STEEL
(UNCOATED AND EPOXY COATED BARS)**

ABC Coating Company	Tulsa, Oklahoma – F, E
Alton Steel, Inc.	Alton, Illinois – P
Ambassador Steel	
Bourbonnais, Illinois – E	Kansas City, Missouri – F
Mooreville, Indiana - F	Newton, Iowa – F
St. Louis, Missouri-F	
American Highway Technology	Kankakee, Illinois – F, E
Arkansas Rebar Inc.	Benton, Arkansas - F
Hot Springs, Arkansas - F	Lowell, Arkansas - F
Carter Waters Construction Mtls.	Kansas City, Missouri - F
CMC Construction Services (formerly Lofland of Arkansas)	
North Little Rock, Arkansas –F	Springdale, Arkansas –F
CMC Coatings	Waxahachie, Texas - F, E
CMC Rebar	Oklahoma City, Oklahoma – F
(formerly Lofland of Oklahoma)	
CMC Steel Arkansas	Magnolia, Arkansas – P
CMC Steel South Carolina (formerly SMI)	Cayce, South Carolina - P
CMC Steel Texas (formerly SMI)	Seguin, Texas – P
ConSteelCo, Inc.	Jackson, Mississippi – F
Crimson Steel Supply, LLC	Tulsa, Oklahoma – F
Diamondback Steel Co., Inc.	Muskogee, Oklahoma –F
Gerdau AmeriSteel	
Beaumont, Texas – P	Charlotte, North Carolina - P, F
(formerly North Star Steel) Collierville, Tennessee – F	
Dallas-RF, Farmersville, Texas – F	Jackson, Tennessee - P, F
Jacksonville, Florida - P, F	Kansas City, Missouri - F, E
Knoxville, Tennessee - P, F, E	Louisville, Kentucky - F
Midlothian, Texas – P	Muncie, Indiana – F, E
Muskogee, Oklahoma – F, E	Nashville, Tennessee – F
North Little Rock, Arkansas –F (formerly ENCO)	
Perth Amboy, New Jersey – P	Sand Springs, Oklahoma – P
	(formerly SheffieldSteel)
Sayreville, New Jersey – P, E	Springdale, Arkansas –F (formerly ENCO)
St. Louis, Missouri – F	St. Paul, Minnesota – P, F
	(formerly North Star Steel)
Lulich Steel Corporation	Slidell, Louisiana –F
Magnolia Steel Company, Inc.	Meridian, Mississippi – F
Mid-American Steel	Madill, Oklahoma – P
Midwest Pipe & Rebar Coating	Schereville, Indiana - F, E
Nucor Bar Mill Group	
Nucor Steel Birmingham, Inc.	Birmingham, Alabama – P
Nucor Steel Jackson, Inc.	Jackson, Mississippi – P
Nucor Steel - Texas	Jewett, Texas – P
Nucor Steel Kankakee, Inc.	Kankakee, Illinois – P

P - Reinforcing Bar Producer

F – Fabricator

E - Epoxy Coater

Nufab Rebar, LLC	Milton, Florida - F	
Rocky Mountain Steel Mills	Pueblo, Colorado- P	
Sioux City Foundry Co.	Sioux City, Iowa - F, E	
Southern States Steel Co.	Beaumont, Texas - F	
Steelcorp, Inc.	Miamitown, Ohio - F	
Steel Specialties of Mississippi	Pearl, Mississippi - F	
P - Reinforcing Bar Producer	F - Fabricator	E - Epoxy Coater

METHOD OF DOCUMENTATION OF ACCEPTANCE:

A Certificate of Delivery, in accord with the agreement procedure, shall be the documentation of acceptance. The producer, the fabricator, and the epoxy coater (if appropriate) on the Certificate of Delivery must be listed on this QPL.

Information on the Certificate of Delivery shall include, but may not be limited to, AHTD Job Number, consignee, applicable material specification (AASHTO M 31 or M 322, formerly M 42 & M 53), Grade, Heat Numbers, sizes, quantities, producer/location, fabricator/location, epoxy coater/location, and a certifying statement. This Certificate of Delivery shall be signed by an authorized official. One copy shall accompany each shipment.

Method of Approval for Producers, Fabricator's, and Epoxy Coaters to be added to this Qualified Products List:

Those listed must agree to the requirements for certification as listed in the following pages. Failure to follow the certification agreement and/or failing results of tests of random samples will be cause for removing from this QPL.

AGREEMENT FOR THE ACCEPTANCE OF REINFORCING STEEL(BARS-COATED & UNCOATED)

The following procedure defines a means whereby the Producer, Fabricator, or Epoxy Coater may certify the identity of uncoated and coated reinforcing steel and attest to its quality. This procedure shall be applicable only to domestic reinforcing steel of Grade 300 (Grade 40) designation, AASHTO M 31 or M 322(formerly M 42 & M 53) and Grade 420 (Grade 60) designation, AASHTO M 31 or M 322(formerly M 42 & M 53). Further, it outlines methods to provide quality control of reinforcing steel to assure that only material meeting the contract specifications is shipped to and used on Arkansas Highway and Transportation Department projects.

All iron and steel material used on Department projects must be in compliance with "Buy America" requirements and the Department's "Standard Specifications for Highway Construction", Subsection 106.01. This means all manufacturing processes of the iron or steel in a product (i.e., smelting/remelting, and any subsequent process which alters the steel material's physical form or shape or changes its chemical composition) must occur within the United States to be considered of domestic origin. This includes processes such as rolling, extruding, machining, bending, grinding, drilling, and applying coatings. The use of pig iron or processed, pelletized, and reduced iron ore manufactured outside of the United States is permitted in the domestic manufacturing process for steel and/or iron materials. All steel mill test reports will contain a statement certifying that all manufacturing processes for the steel occurred in the United States.

Producer Procedures

- ◆ ***Beginning January 1, 2013***, domestic Producers of reinforcing steel shall participate in AASHTO's National Transportation Products Evaluation Program (NTPEP) Audit Program for Reinforcing Steel and shall have successfully met the requirements of the Program audit. This Program requires an annual audit by NTPEP or its representatives that will determine whether the producing mill has the capabilities to consistently meet the specification (AASHTO/ASTM) requirements for the bar product produced. NTPEP will publish a list showing which mills have successfully met the requirements of the audit. Information concerning the Program is available through the NTPEP web site, www.ntpep.org.
- ◆ All Certified Mill Test Reports (CMTR) for reinforcing steel covered by this procedure shall be maintained by the Producer for a minimum of three years from the date of shipping.
- ◆ Quantities of each heat and bar size shall be recorded by the Producer on the CMTR's and on the shipping papers of reinforcing steel sent directly to Department projects, Fabricators, Epoxy Coaters, and other intermediate users of reinforcing steel.
- ◆ For AHTD projects, the Producer shall agree to supply reinforcing steel only from stock identifiable by mill heat number, to accurately record the Heat Numbers shipped (by grade and bar size), to certify that all AHTD and applicable AASHTO specifications are met and to provide this information to the AHTD on each project shipment.
- ◆ The Producer shall furnish, with each shipment to an AHTD project, a Certificate of Delivery. Information on the Certificate of Delivery shall include, but may not be limited to: AHTD Job Number, consignee, applicable material specification (AASHTO M 31 or M 322, formerly M 42 & M 53), Grade, Heat Numbers, sizes, quantities, producer/location, and a certifying statement.
- ◆ The certifying statement shall read substantially as follows: "I certify that the material was supplied from the heat numbers listed, complies with AHTD and applicable AASHTO specifications. Certified Mill Test Reports for each of the above heat numbers are on file. This material complies with "Buy America" requirements.
- ◆ This Certificate of Delivery shall be signed by an authorized official of the Producer. One copy shall accompany the shipment.

Fabricator Procedures

- ◆ The Fabricator shall use reinforcing steel bars from a Department approved Producer and shall furnish, with each shipment to an AHTD project, a Certificate of Delivery. Information on the Certificate of Delivery shall include, but may not be limited to: AHTD Job Number, consignee, applicable material specification (AASHTO M 31 or M 322, formerly M 42 & M 53), Grade, Heat Numbers, sizes, quantities, Producer/Location, Fabricator/Location, and a certifying statement.
- ◆ The certifying statement shall read substantially as follows: "I certify that the reinforcing steel is from a Department approved Producer, complies with AHTD and applicable AASHTO specifications, and was fabricated in accordance with AHTD plans and specifications or approved bar lists. This material complies with "Buy America" requirements."
- ◆ This Certificate of Delivery shall be signed by an authorized official of the Fabricator. One copy shall accompany the shipment.

Epoxy Coater Procedures

- ◆ The Epoxy Coater shall use reinforcing steel bars from a Department approved Producer and the reinforcing steel bars shall be coated according to AASHTO M 284 using a coating material that meets the requirements of Annex A1 of AASHTO M 284 and has been approved by the Department. Patching material, compatible with coating material, inert in concrete, and meeting the requirements of Annex A1 of AASHTO M 284, shall be provided by the epoxy coating manufacturer with each shipment. Epoxy coaters shall be Concrete Reinforcement Steel Institute (CRSI) certified. A copy of the CRSI certification shall be on file with the Department. All materials used, preparation of the bars, coating, and curing of the bars shall be according to current Department specifications and no bar's coating shall contain more than six (6) holidays per meter (yard). The Department shall be notified of a change in epoxy coating powders.
- ◆ The Epoxy Coater shall furnish, with each shipment to an AHTD project, a Certificate of Delivery. Information on the Certificate of Delivery shall include, but may not be limited to: AHTD Job Number, consignee, applicable material specification (AASHTO M 31 or M 322, formerly M 42 & M 53), Grade, Heat Numbers, sizes, quantities, Producer/Location, Epoxy Coater/Location, and a certifying statement. The Epoxy Coater shall also supply to the consignee a written certification that properly identifies the number of each batch of coating material used in the order; the material, quantity represented, date of manufacture of the coating material, and name and address of the manufacturer; and a statement that the supplied coating material meets the requirements of Annex A1 of AASHTO M 284. The certification shall include or have attached specific results of tests of coating thickness and flexibility of coating.
- ◆ The certifying statement shall read substantially as follows: "I certify that the reinforcing steel is from a Department approved Producer, complies with AHTD and applicable AASHTO specifications, and was epoxy coated and fabricated in accordance with AHTD plans and specifications or approved bar lists. This material complies with "Buy America" requirements." This Certificate of Delivery shall be signed by an authorized official of the Epoxy Coater. One copy shall accompany the shipment.

CERTIFICATION PROCEDURE

1. A representative of the Materials Division will review the plant facilities, its operation, and the requirements of this procedure.
2. AHTD will take random samples of reinforcing steel for testing purposes. Samples shall be 2-2 m (2-48") specimens. Additional samples may be taken at any time by the AHTD. Material may also be randomly sampled at the project site or designated project storage facility by AHTD personnel. Testing shall be performed by the Materials Division in accordance with ASTM, AASHTO, AHTD or other applicable specifications.

If failing results occur when testing the reinforcing steel, the Producer may be suspended from supplying materials of that grade from that mill to AHTD projects, approved Fabricators, and approved Epoxy Coaters, pending a review with the mill and results of all tests.

If the failing tests are failures of fabrication process or the epoxy coating process the Fabricator or the Epoxy Coater may be suspended from supplying materials to AHTD projects pending a review.

Material represented by failing test results shall not be used on AHTD projects and shall be removed from the location for steel supplied under this procedure.

3. The AHTD will review the Producer's, Fabricator's, or the Epoxy Coater's records to verify that these procedures are being followed and that the appropriate information is on file. Copies of CMTR's shall be furnished upon request.

4. Material furnished to a manufacturer of precast concrete products will have a Certificate of Delivery and certifying statement.

Company Name /Plant Location : _____

Participating as: P - Producer F – Fabricator E - Epoxy Coater

Signature : _____ Date: _____

Typed/Printed Name: _____

Telephone No.: _____ Fax No.: _____ Email Address: _____